

Name: _____

Date: _____

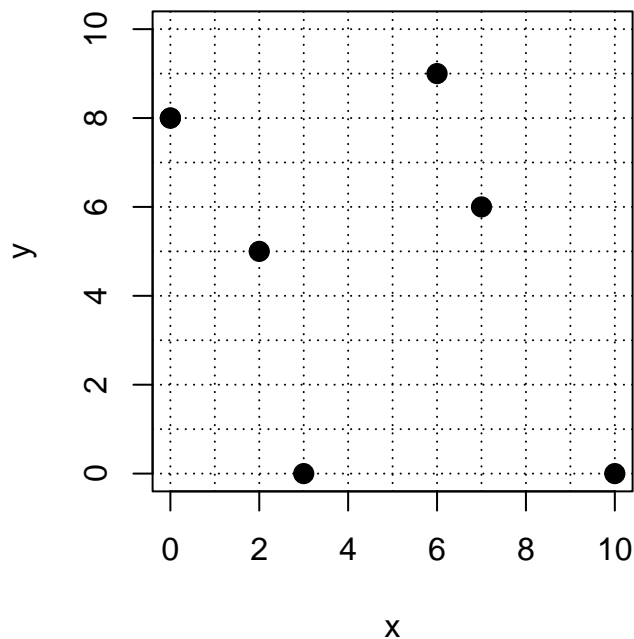
Check if Relation is a Function (12 pts classwork, version 23)

1. A **relation** is expressed as a list of (x, y) ordered pairs.

$$(2, 2) \quad (1, 5) \quad (7, 9) \quad (1, 5) \quad (9, 5)$$

- Is this list consistent with y being a function of x ? Why or why not?
- Is this list consistent with x being a function of y ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

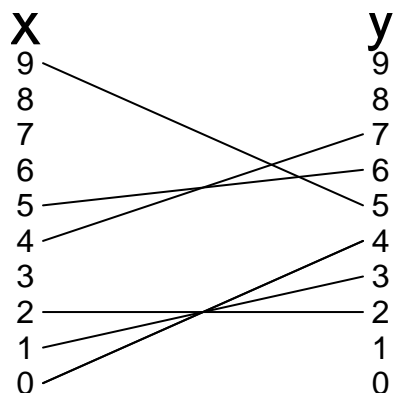
2. A relation is shown as points on a graph.



- Is this relation consistent with y being a function of x ? Why or why not?
- Is this relation consistent with x being a function of y ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

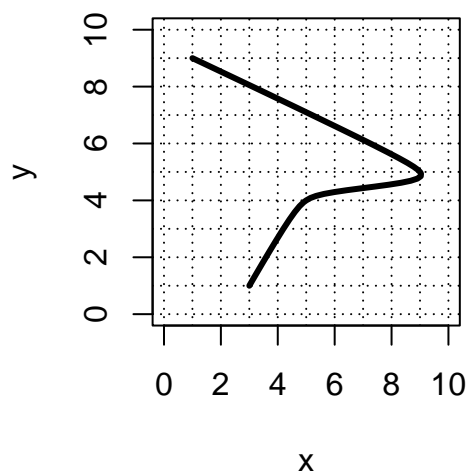
Check if Relation is a Function (version 23)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with y being a function of x ? Why or why not?
- Is this relation consistent with x being a function of y ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

4. A relation is shown as a curve plotted on an x, y



- Is this relation consistent with y being a function of x ? Why or why not?
- Is this relation consistent with x being a function of y ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?